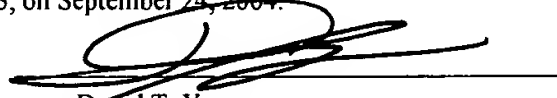


CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

Hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Commissioner for Patents, Alexandria, VA 22313, on September 24, 2004.


David T. Yang

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Reamon et al.

Serial No.: 09/705,134

Filing Date: November 2, 2000

For: ON-CHIP MULTILAYER METAL
SHIELDED TRANSMISSION LINE

Examiner: B. Lee

Group Art Unit: 2817

**PETITION UNDER 37 C.F.R. 1.47(A) TO FILE ON BEHALF OF
MISSING INVENTOR**

Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

Dear Sir:

Under the provisions of 37 C.F.R. 1.47(a), Applicants hereby petitions the Commissioner to accept the Declaration of Prior Invention without the signatures of all of the inventors. Specifically, one of the inventors, Nick Elmi, who is no longer an employee for the assignee of the application, has expressly indicated that he will not cooperate with the Applicants in submitting the Declaration of Prior Invention. Applicants hereby provide documentation to satisfy the requirements of 37 C.F.R. 1.47(a).

09/28/2004 AAD0F01 00000002 031952 09705134

01 FC:1460 130.00 DA

The last known address of the missing inventor is:

7132 Cather Ct.
San Diego, CA 92122

Attached hereto are:

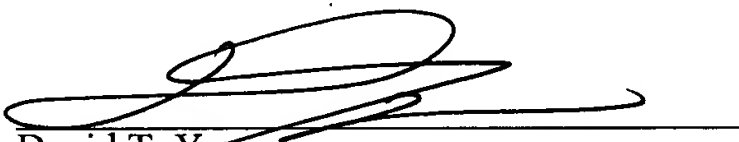
1. Declaration by David B. Rutan, employee of TelASIC Communications (current assignee of the present application) detailing the attempts to secure cooperation from Nick Elmi, and attesting to Nick Elmi's refusal to cooperate; and
2. Assignment from the inventors to Raytheon Company, and a subsequent assignment from Raytheon company to TelASIC Communications.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicant(s) petition(s) for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 53535.20005.00.

Respectfully submitted,

Dated: September 24, 2004

By:


David T. Yang
Registration No. 44,415

Morrison & Foerster LLP
555 West Fifth Street
Suite 3500
Los Angeles, California 90013-1024
Telephone: 213/892-5587
Facsimile: (213) 892-5454

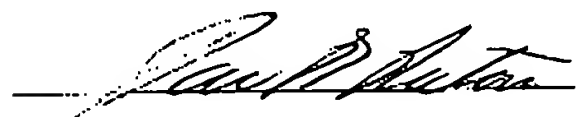
BEST AVAILABLE COPY**Declaration of David B. Rutan**

I, David B. Rutan, declare as follows:

1. I make this declaration of my own personal knowledge, and if called as a witness I could and would competently testify to the truth of the matters set forth herein.
2. I have been employed at TelASIC Communications since July 1, 2002. One of my duties is to coordinate TelASIC patent work, including the preparing of paperwork to be filed with the United States Patent and Trademark Office.
3. On August 2, 2004, I sent to Nick Elmi, an inventor on Application No. 09/705,134, a declaration of inventors pursuant to 37 C.F.R. 1.131 along with Exhibit A. However, page 2 was missing.
4. On August 10, 2004, Nick requested that I send the missing page 2. On the same day I sent the missing page FedEx along with a return FedEx envelope for Nick to use. Nick
5. On August 22 or thereabouts I called Nick Elmi and left a message asking that he return the completed paperwork.
6. On August 23 or thereabouts I called Nick Elmi and spoke to a woman who said that he had left on a trip that would take him both in and out of the country.
7. Between August 23 and September 21 I called the Elmi residence on numerous occasions trying to contact Nick and leaving messages for him.
8. On September 22, I called and left a message for Nick Elmi.
9. At noon on September 22, Nick called me back and we spoke. Nick told me that he is pursuing litigation against TelASIC regarding his recent departure of TelASIC. He informed me that his lawyers told him not to sign anything. He said that he faxed the Declaration paperwork at issue here to his lawyers and they said that he should not sign the Declaration until the dispute is resolved.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed this 23rd day of September, 2004, at El Segundo, California.



David B. Rutan

FORM PTO-1619A

Expires 06/30/99
OMB 0651-0027U.S. Department of Commerce
Patent and Trademark Office
PATENT**RECORDATION FORM COVER SHEET
PATENTS ONLY****TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).****Submission Type**

New



Resubmission (Non-Recordation)

Document ID#



Correction of PTO Error

Reel #

Frame #



Corrective Document

Reel #

Frame #

Conveyance Type

Assignment



Security Agreement



License



Change of Name



Merger



Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)



Departmental File



Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)

Reamon, Alan E.

Execution Date
Month Day Year
12 07 00

Name (line 2)

Second Party

Name (line 1)

Linder, Lloyd F.

Execution Date
Month Day Year
12 07 00

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

Raytheon Company

Name (line 2)

a Corporation of Delaware

If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)

Address (line 1)

141 Spring Street

Address (line 2)

Address (line 3)

Lexington

City

MA/USA

State/Country

02421-7899

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and AddressArea Code and Telephone Number Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) **Pages**Enter the total number of pages of the attached conveyance document
including any attachments.# **Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was
signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties

Enter the total number of properties involved.

Fee AmountFee Amount for Properties Listed (37 CFR 3.41): \$ Method of Payment:
Deposit AccountEnclosed ☐ Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

Authorization to charge additional fees:

Yes ☐No ☒**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any
attached copy is a true copy of the original document. Charges to deposit account are authorized, as
indicated herein.

Leonard A. Alkov

Name of Person Signing



Signature

01-19-01

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY Page 3

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Hirata, Erick M.

Execution Date
Month Day Year
12 07 00

Name (line 2)

Name (line 1) Elmi, Nick

Execution Date
Month Day Year
11 17 00

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)


ASSIGNMENT

WHEREAS, we, as below named joint inventors of the city and state as stated below next to my name, have invented "On-Chip Multilayer Metal Shielded Transmission Line" for which application for Letters Patent of the United States has been executed by me on this day; and

WHEREAS, RAYTHEON COMPANY, a Delaware Corporation, having its principal place of business in Lexington, Massachusetts, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON COMPANY, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON COMPANY, its successors, assigns or other legal representatives; convenient that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON COMPANY, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON COMPANY, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON COMPANY, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON COMPANY, its successors, assigns or other legal representatives.

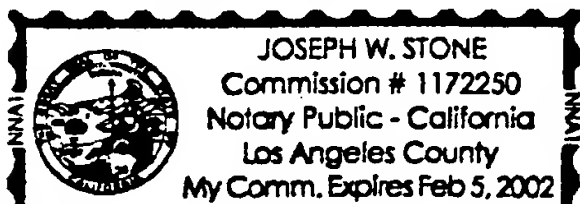
IN WITNESS WHEREOF, we have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Alan E. Reamon		12/7/00
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
Woodland Hills, California	USA	
POST OFFICE ADDRESS	INVENTION AGREEMENT DATE	
23529 Berdon Street, Woodland Hills, CA 91367	February 9, 1981	

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:
On DECEMBER 7, 2000 before me, JOSEPH W. STONE, a
Notary Public in and for said State, personally appeared ALAN E. REAMON

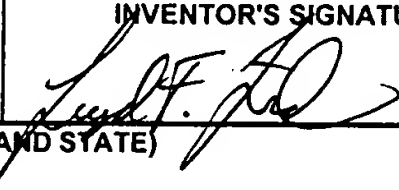
 personally known to me or ✓ proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in his/~~her~~/~~their~~ authorized capacity(~~ies~~), and that by his/~~her~~/~~their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

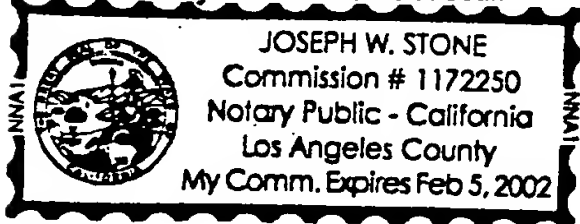
Commission Expires:

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Lloyd F. Linder		12/07/00
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
Agoura Hills, California	USA	
POST OFFICE ADDRESS	INVENTION AGREEMENT DATE	
3730 Patrick Henry, Agoura Hills, CA 91301	July 8, 1985	

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:
On DECEMBER 7, 2000 before me, JOSEPH W. STONE, a
Notary Public in and for said State, personally appeared LLOYD F. LINDER


✓ personally known to me or proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in his/~~her~~/~~their~~ authorized capacity(~~ies~~), and that by his/~~her~~/~~their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

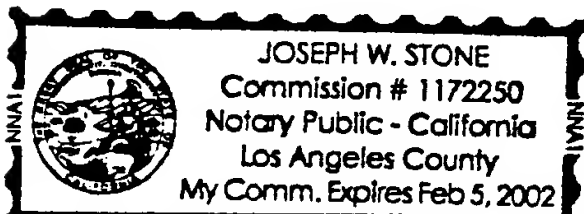
Commission Expires:

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Erick M. Hirata		12/07/00
RESIDENCE (CITY AND STATE)		CITIZENSHIP
Torrance, California		USA
POST OFFICE ADDRESS		INVENTION AGREEMENT DATE
21917 Ocean Avenue, Torrance, CA 90503		July 9, 1979

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:
On DECEMBER 7, 2000 before me, JOSEPH W. STONE, a
Notary Public in and for said State, personally appeared ERICK M. HIRATA

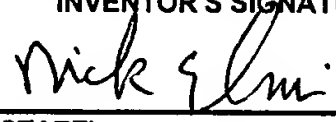
_____ personally known to me or ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

Commission Expires: _____

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Nick Elmi		11-17-00
RESIDENCE (CITY AND STATE)		CITIZENSHIP
Tempe, Arizona		USA
POST OFFICE ADDRESS		INVENTION AGREEMENT DATE
674 E. Maria Lane, Tempe, AZ 85284		n/a

STATE OF ARIZONA)
COUNTY OF MARICOPA) SS:
On 17th Nov 2000 before me, ELIZABETH C. ZYC, a
Notary Public in and for said State, personally appeared MOLHAMMAD ELM1

_____ personally known to me or _____ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

7-19-01
Commission Expires: _____



RECORDATION FORM COVER SHEET
PATENTS ONLYPatent and Trademark Office
Docket No. 535352000500

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): RAYTHEON COMPANY

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Security Agreement☐ Other:☐ Merger☐ Change of Name

Execution Date: July 2, 2002 and July 3, 2002

2. Name and address of receiving party(ies):

Name: TelASIC Communications, Inc.

Address: 1940 E. Mariposa Avenue

City/State/Zip: El Segundo, CA 90245

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 09/705,134

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

David T. Yang

Morrison & Foerster LLP

555 West Fifth Street

Suite 3500

Los Angeles, California 90013-1024

6. Total number of applications and patents involved: One

7. Total fee (37 C.F.R. § 3.41): \$40.00

☐ Enclosed☒ Authorized to be charged to deposit account, referencing Attorney Docket 535352000500

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name: David T. Yang

Registration No: 44,415

Signature

Date 07/10/02

Total number of pages comprising cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

CONFIRMATORY ASSIGNMENT

WHEREAS, **Raytheon Company**, a corporation organized and existing under the laws of the State of Delaware, U.S.A., with a place of business at 141 Spring Street, Lexington, MA 02421, U.S.A. (hereinafter "assignor"), is the sole and exclusive owner, by assignment, of the United States and foreign patents, patent applications, and inventions described in the attached Schedule A ("PATENTS");

WHEREAS, **TelASIC Communications, Inc.**, a corporation organized and existing under the laws of the State of Delaware, U.S.A., with a place of business at 1940 E. Mariposa Ave., El Segundo, CA. 90245, U.S.A. (hereinafter "assignee"), is desirous of acquiring the right, title and interest in, to and under said PATENTS; and

WHEREAS, assignor and assignee have entered into a certain Technology Assignment And License Agreement, dated April 25, 2001 assigning, among other things, all right, title and interest in and to the PATENTS from assignor to assignee;

NOW, THEREFORE, for valuable consideration received, the receipt of which is hereby acknowledged, assignor has sold, assigned, and transferred, and does hereby sell, assign, and transfer the entire right, title and interest in and to the above-mentioned PATENTS, and any and all Letters Patent in the United States of America and in all foreign countries that may be granted therefor and thereon, including reissues and extensions thereon, and in and to any and all divisions, continuations, and continuations-in-part of said PATENTS, the same to be held and enjoyed by the said assignee, for their own use and the use of their successors, legal representatives and assigns, to the full end of the term or terms for which the Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by the assignor had this sale and assignment not been made;

AND assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to assignee as assignee of the entire interest, and hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

(Signatures on next page)

RAYTHEON COMPANY

July 2, 2002

Date

Name

Glenn H. Lenzen, Jr.

Title

Vice President

Intellectual Property & Licensing

WITNESSES:

(Name and Address)

Leonard A. Alkov

P.O. Box 902, EO/EO1/E150

2000 E. El Segundo Boulevard

El Segundo, CA 90245-0902

(Name and Address)

Colin M. Raufer

P.O. Box 902, EO/EO1/E150

2000 E. El Segundo Boulevard

El Segundo, CA 90245-0902

TelASIC Telecommunications, Inc.

July 3, 2002

Date

Name:

Tony Giraudo

Title:

CEO

Title:

WITNESSES:

(Name and Address)

Lou Entin 1940 E. Mariposa Ave., El Segundo CA., 90245

(Name and Address)

Leonard A. Alkov

P.O. Box 902, EO/EO1/E150

2000 E. El Segundo Blvd.

El Segundo, CA. 90245

SCHEDULE A

Country	Title	Filing Date	Serial / Application No.	Issue Date	Patent No.
EUROPEAN PATENT CONV	LOW NOISE, LOW DISTORTION, COMPLEMENTARY IF AMPLIFIER				
UNITED STATES	LOW NOISE, LOW DISTORTION, COMPLEMENTARY IF AMPLIFIER	06/30/2000	09/607,223		
JAPAN	LOW NOISE, LOW DISTORTION, COMPLEMENTARY IF AMPLIFIER	06/28/2001	2002-514877		
PATENT COOPERATION TREATY	LOW NOISE, LOW DISTORTION, COMPLEMENTARY IF AMPLIFIER	06/28/2001	PCT/US01/20628		
EUROPEAN PATENT CONV	LOW NOISE, LOW DISTORTION, MUXABLE GILBERT MIXER SIGNAL PROCESSING SYSTEM AND METHOD WITH AGC FUNCTIONALITY	05/24/2001	01937763.9		
UNITED STATES	LOW NOISE, LOW DISTORTION, MUXABLE GILBERT MIXER SIGNAL PROCESSING SYSTEM AND METHOD WITH AGC FUNCTIONALITY	05/26/2000	09/579,596		
SOUTH KOREA	LOW NOISE, LOW DISTORTION, MUXABLE GILBERT MIXER SIGNAL PROCESSING SYSTEM AND METHOD WITH AGC FUNCTIONALITY	05/24/2001	102002-7000518		
JAPAN	LOW NOISE, LOW DISTORTION, MUXABLE GILBERT MIXER SIGNAL PROCESSING SYSTEM AND METHOD WITH AGC FUNCTIONALITY	05/24/2001	2002-500529		
TAIWAN	LOW NOISE, LOW DISTORTION, MUXABLE GILBERT MIXER SIGNAL PROCESSING SYSTEM AND METHOD WITH AGC FUNCTIONALITY	05/25/2001	90112834		
UNITED STATES	ON-CHIP MULTI-LAYER METAL SHIELDED TRANSMISSION LINE	11/02/2000	09/705,134		
TAIWAN	ON-CHIP MULTI-LAYER METAL SHIELDED TRANSMISSION LINE	11/01/2001	90127370		

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- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
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- ☐ **OTHER:** _____

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